

III - B Optom - sem - VI - SUMMER - 2019
SUBJECT: ADVANCED ORTHOPTICS

Day: Tuesday

Time: -

Date: 26-03-2019 5-2019-4015

Max. Marks: 20

N.B:

Section-A is given on a **SEPARATE** sheet and has to be answered on the **SAME** sheet. This sheet should be completed within the first **30** minutes of starting of the examination. This sheet with **Section-A** only will be collected by the supervisor.

Seat No. _____

Date: _____

SECTION-A

Q.1 A) Fill in the blanks:

(10)

- i) In DRS type I, paradoxical innervations goes to _____ muscle.
- ii) A large negative angle kappa can lead to false diagnosis of _____.
- iii) Bifocals are prescribed in _____ accommodative convergent squint.
- iv) Latent nystagmus is revealed by _____.
- v) Angle kappa is _____ the angle between _____.
- vi) A patient has paresis of superior oblique muscle of right eye. The maximum separation of images on diplopia charting will be in _____.
- vii) A patient has a paresis of the superior rectus muscle of left eye, in order to try and maintain orthophoria, patient's head posture will most likely be in _____.
- viii) Park's three step test is done to diagnose _____.
- ix) A person exhibiting 4PD exophoria at a fixation distance of 30 cm and 12 PD exophoria at a fixation distance of 6 m is said to have _____.
- x) Double Maddox rod test is done to _____.

B) State True or False:

(10)

- i) When the angle of squint remains fairly constant in all the fields of gaze, the squint is said to be paralytic.
- ii) A prominent epicanthic fold leads to false diagnosis of esophoria.
- iii) An esotropic patient exhibits 20 PD of esotropia with upward gaze and 10 PD esotropia with downward gaze, the patient exhibits "A" pattern esotropia.
- iv) In case of left inferior rectus palsy, dextro depression is the gaze in which visual axes are likely to be parallel and binocular fixation is possible.
- v) Pre-operative orthoptic treatment in case of Intermittent Divergent Squint is given to improve fusional range.
- vi) Red and green filters are used to do diplopia charting.
- vii) Anisophoria is the condition when there is a significant difference in angle of deviation when fixation is changed from near to distance.
- viii) In relieving prism base is placed towards the direction of eye turn.
- ix) Awareness of increased visual field during manifest divergent squint is also known as Panoramic vision.
- x) The deviations are measured after prolonged cover to differentiate a true divergence excess and convergence insufficiency.

Signature of invigilator: _____

Signature of examiner: _____

Marks Obtained _____

P.T.O.

III -B.OPTOM. SEM - VI : SUMMER - 2019

SUBJECT: ADVANCED ORTHOPTICS

Day: Tuesday
Date: 26/03/2019

Time: 10.00 AM TO 01.00 PM
Max. Marks: 50

S-2019-4015

N.B:

- 1) There are **THREE** sections as-
Section A = Objectives types questions = 20 marks
Section B = Long questions = 20 marks
Section C = Short questions = 30 marks
- 2) **Section- A** is given on a **SEPARATE** sheet and has to be answered on the **SAME** sheet. This sheet should be completed within the first 30minutes of starting of the examination. This sheet with **Section- A** only will be collected by the Supervisor.
- 3) **Section-B** has 3 long questions and **ANY TWO** questions have to be answered on the **SEPARATE** answer sheet.
- 4) **Section-C** has short questions and **ANY FIVE** questions have to be answered on the **SEPARATE** answer sheet.
- 5) Draw neat labeled diagram **WHEREVER** necessary.

Seat No. _____

Date: _____

SECTION-B

Q.2 Answer in detail **ANY TWO** of the following: (20)

- a) Write the investigations and treatment of primary divergent squint.
- b) Write in details the classification of squint.
- c) Write clinical findings on diplopia charting, head posture and cover test of a patient with superior oblique palsy of recent origin.

SECTION-C

Q.3 Write in short **ANY FIVE** of the following: (30)

- a) What are the methods to measure angle of deviation in children?
- b) Write a note on cover test
- c) Write a short note on convergence insufficiency
- d) What are the uses of Amblyoscope in orthoptic clinic
- e) Using the Park's 3 step technique, diagnose the paretic muscle in case of 10 PD left hypertropia which increases in left gaze and right head tilt
- f) Write a note on :
 - i) WFDT
 - ii) 4 prism base out test

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